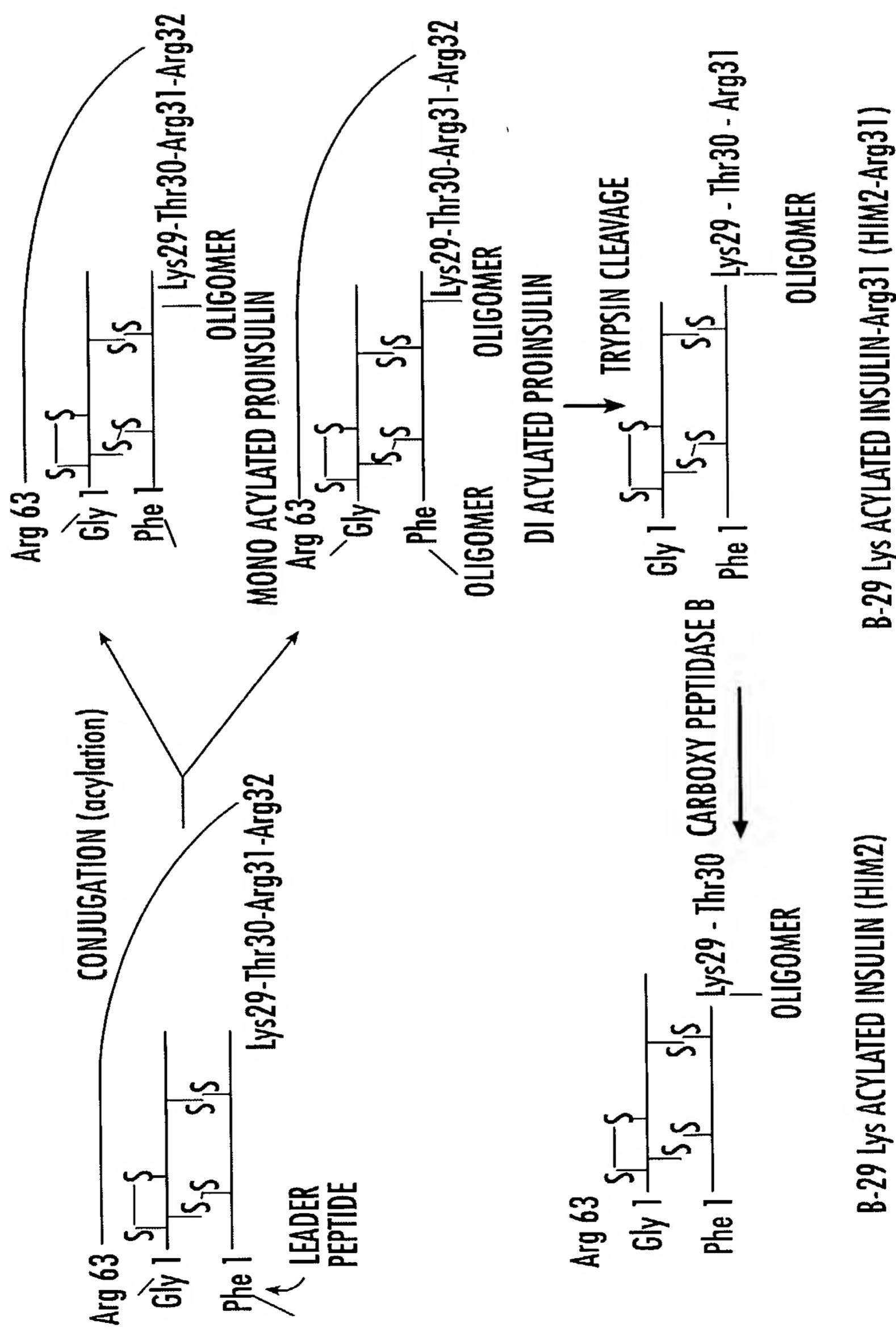


PREPARATION OF B-29 Lys MODIFIED INSULIN USING PROINSULINS



B-29 Lys ACYLATED INSULIN (HIM2)

B-29 Lys ACYLATED INSULIN (HIM2) (HIM2-Arg31)

FIG. 1.

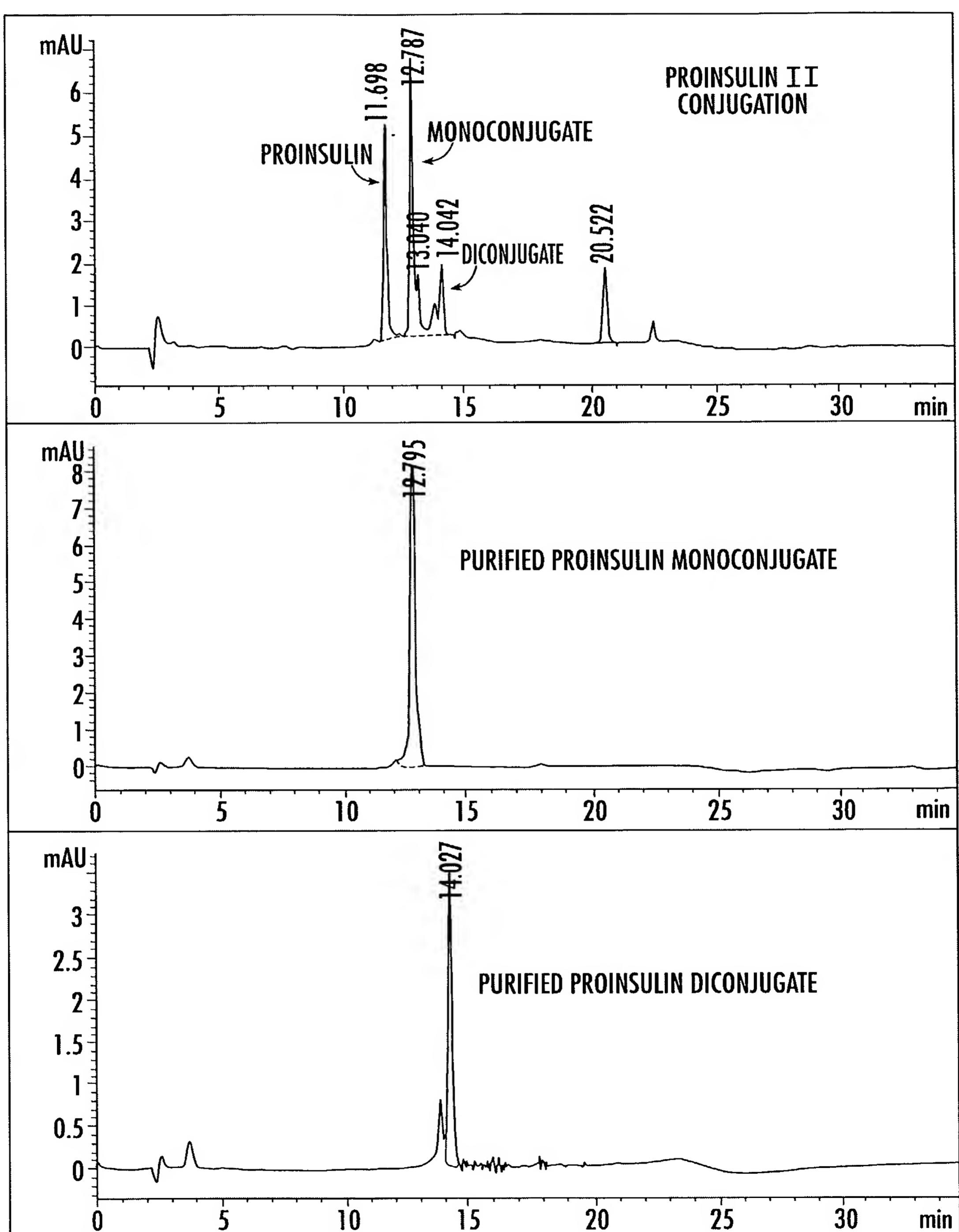


FIG. 2.

PURIFIED PROINSULIN II MONOCONJUGATE

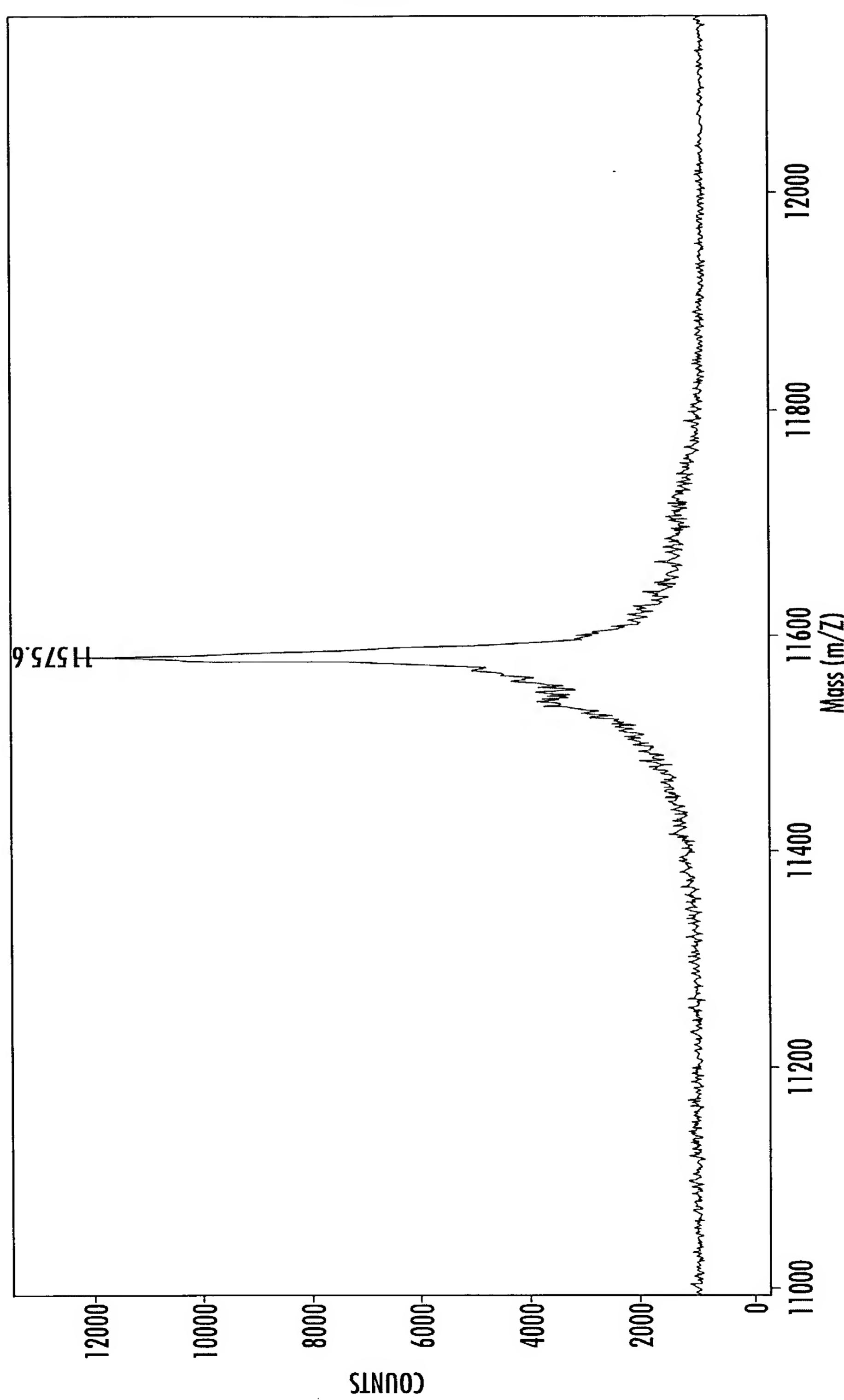


FIG. 3.

PURIFIED PROINSULIN II DICONJUGATE

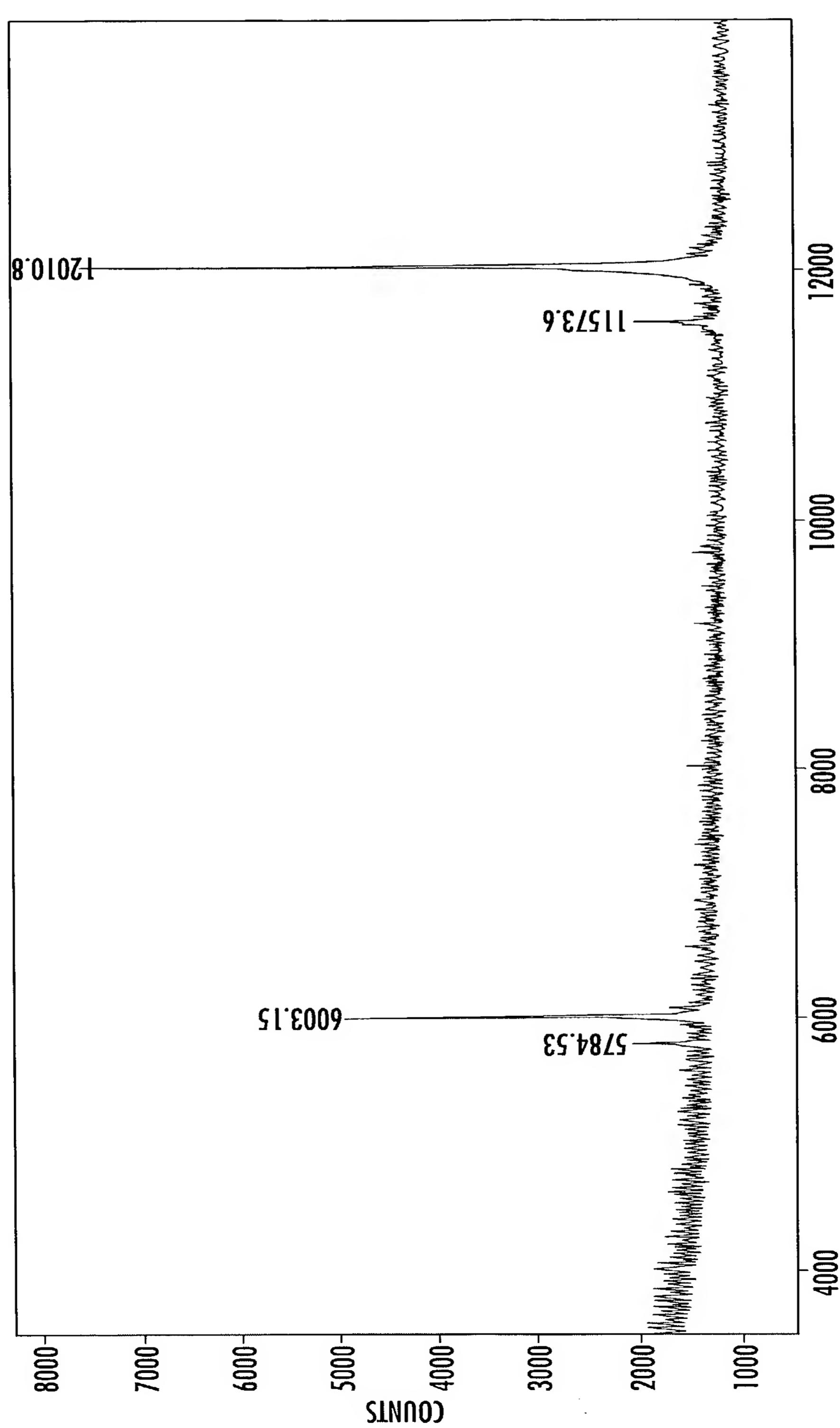
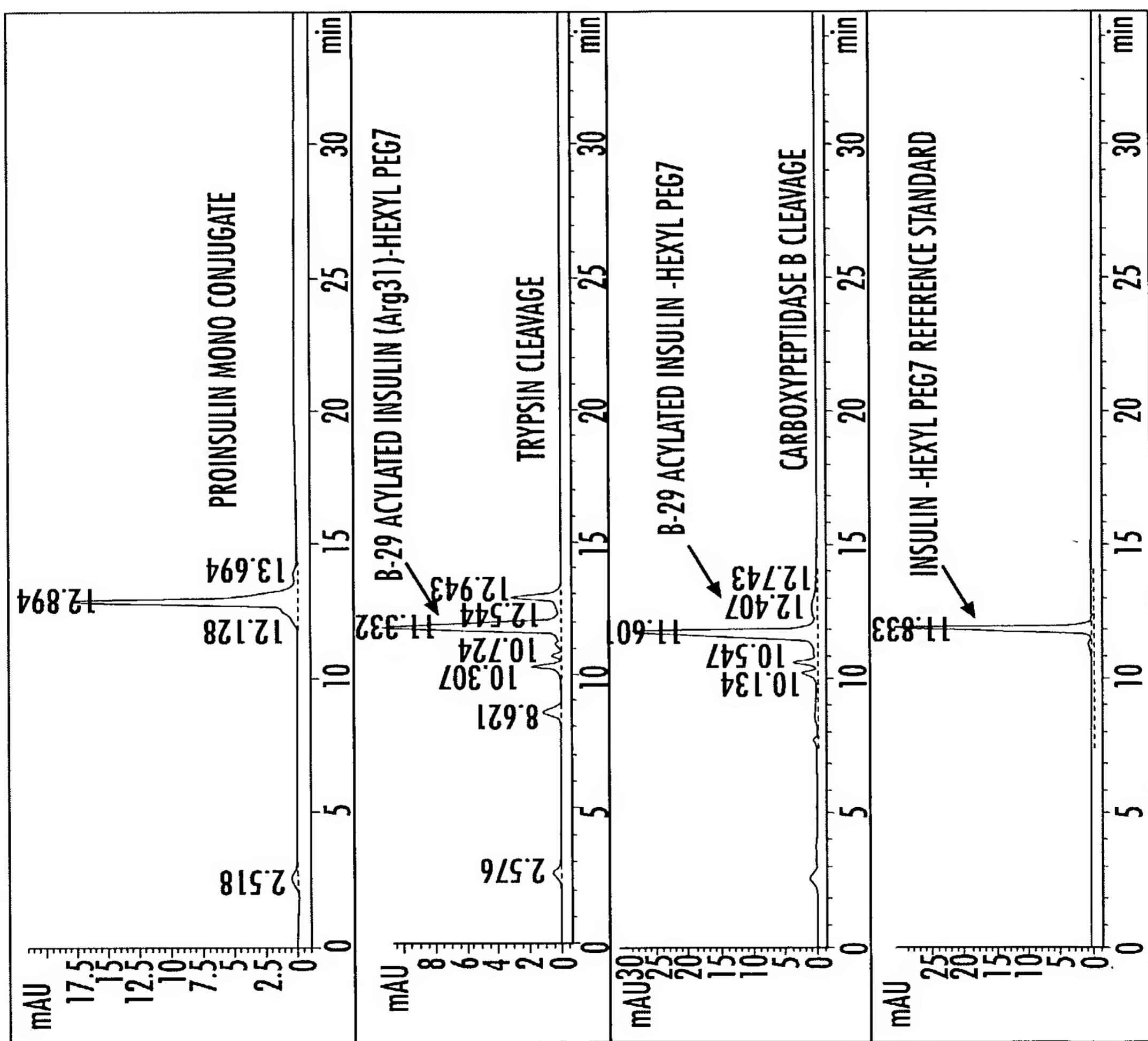


FIG. 4.

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FIG. 5.



PRODUCT OF TRYPSIN CLEAVAGE OF
PROINSULIN II MONOCONJUGATE

B-29 ACYLATED INSULIN (Arg^{31}) HEXYL-PEG7

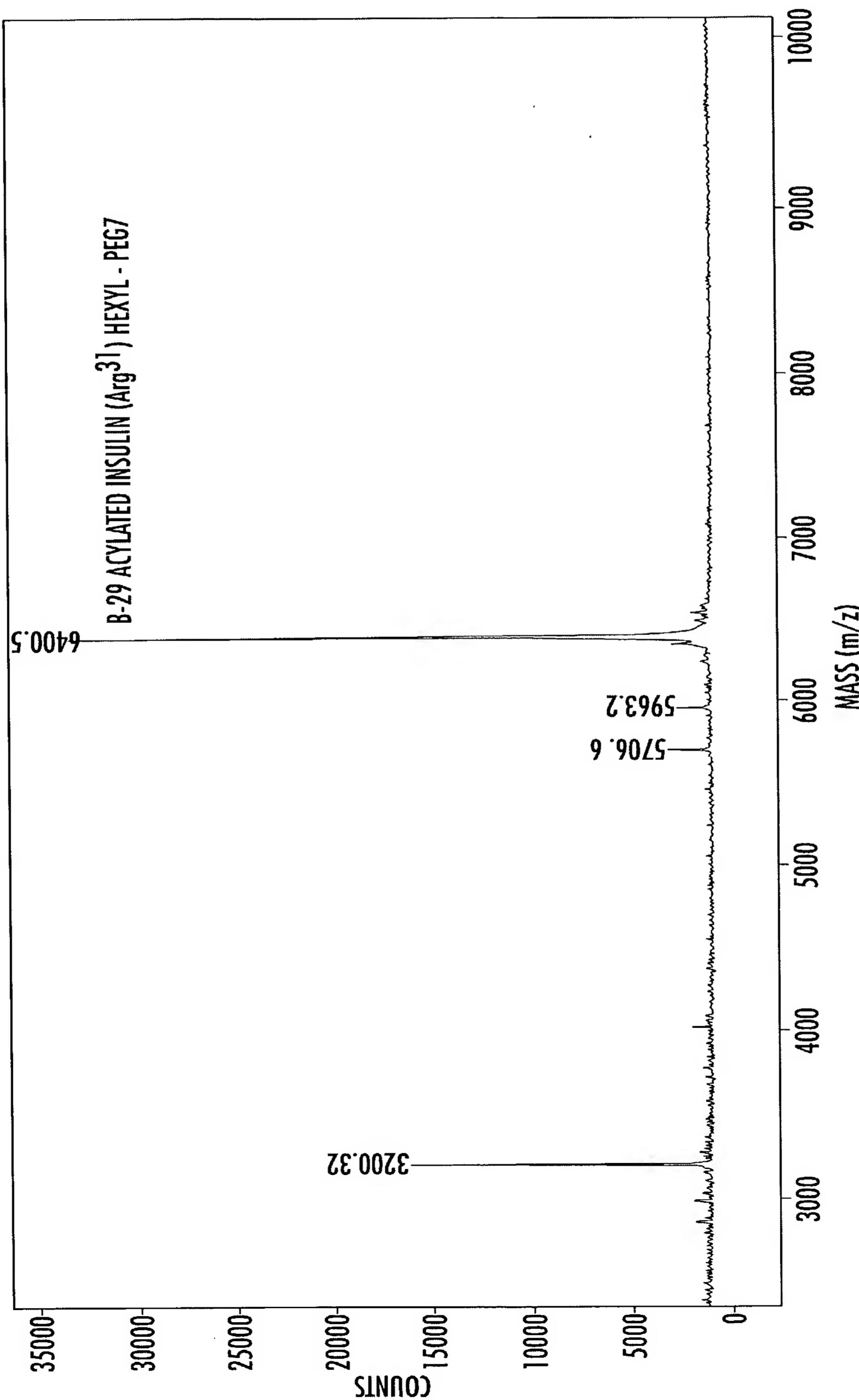


Fig. 6.

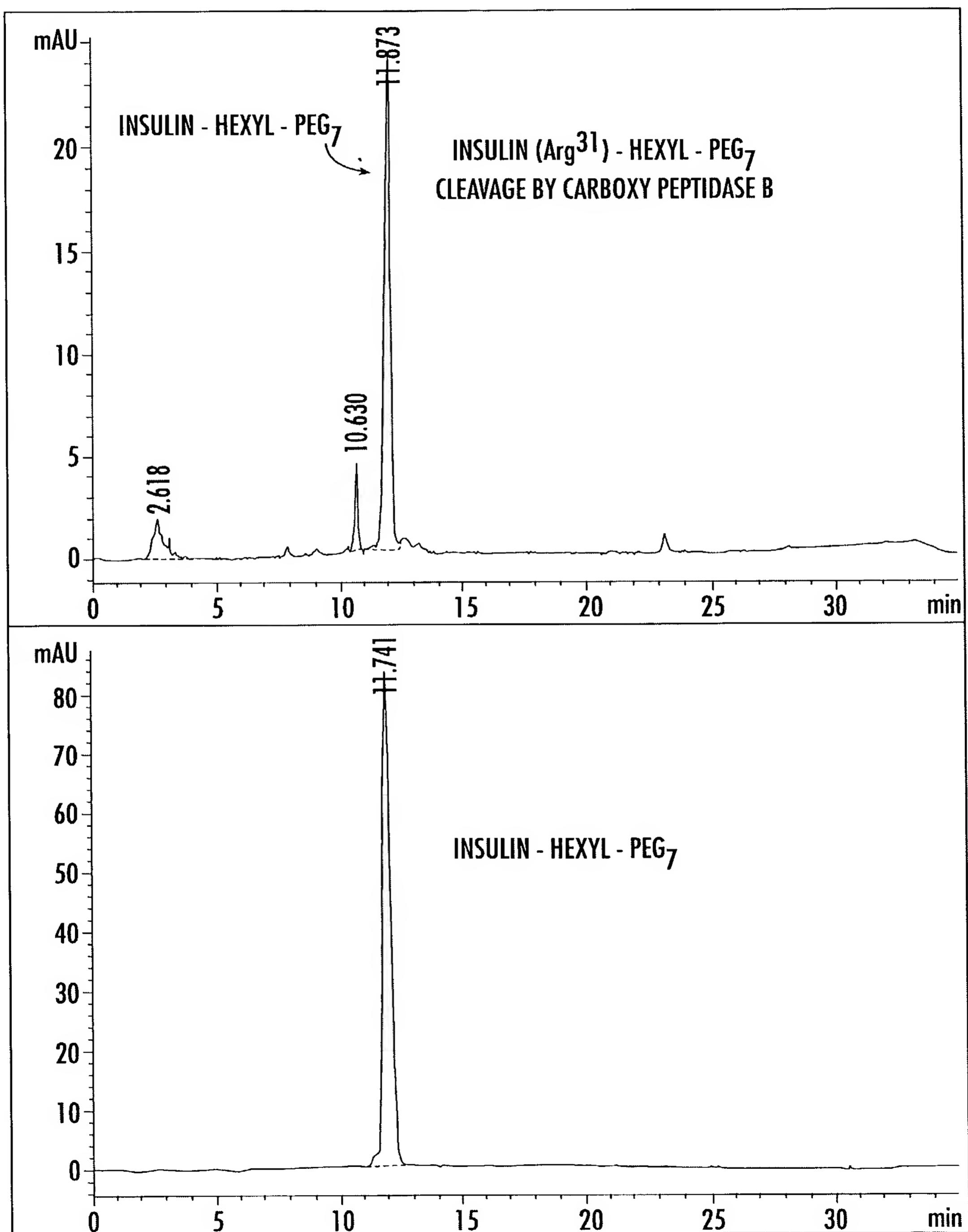


FIG. 7.

PRODUCT OF CARBOXYPEPTIDASE B CLEAVAGE
OF B-29 ACYLATED INSULIN (Arg^{31}) HEXYL-PEG7

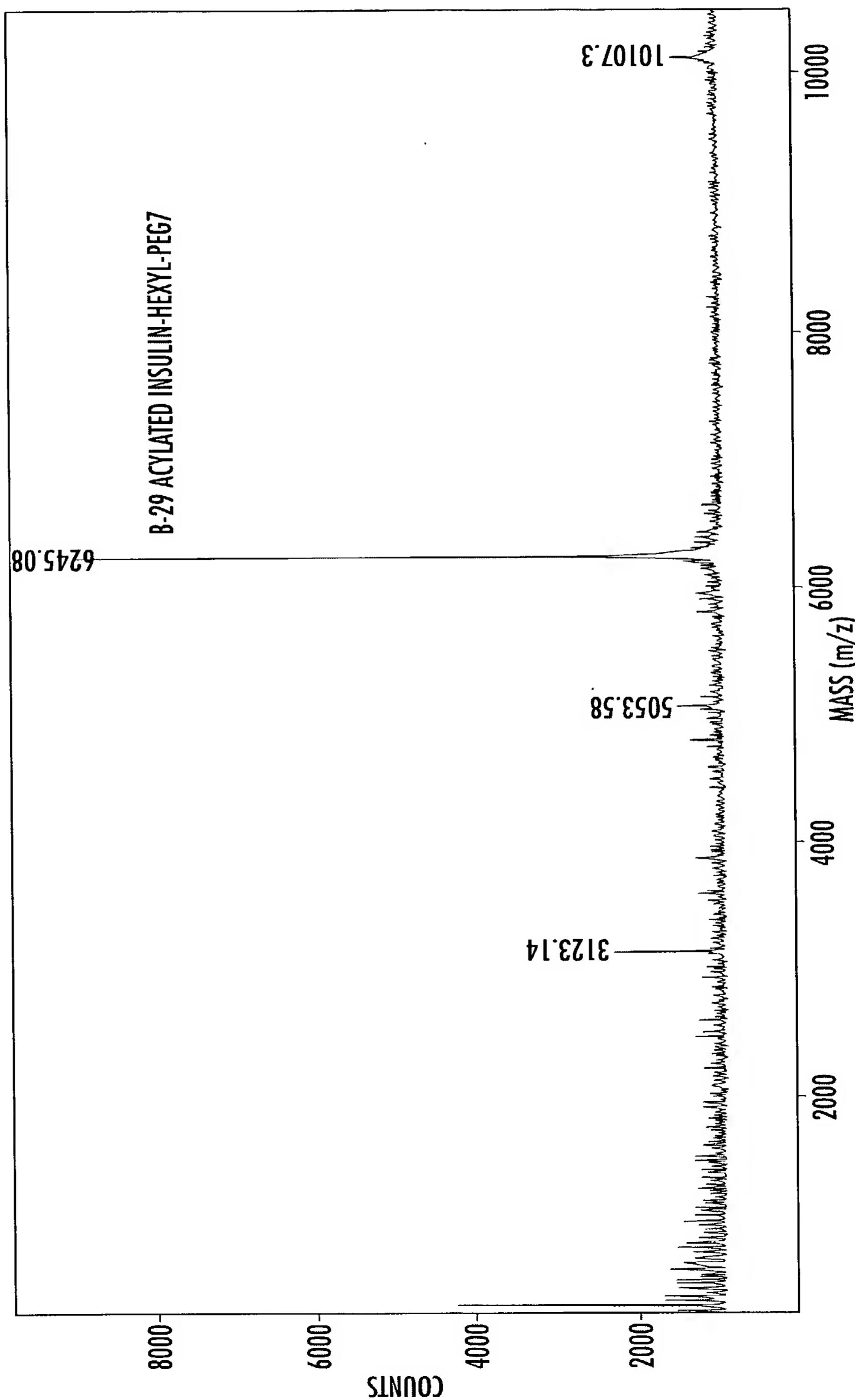


FIG. 8.

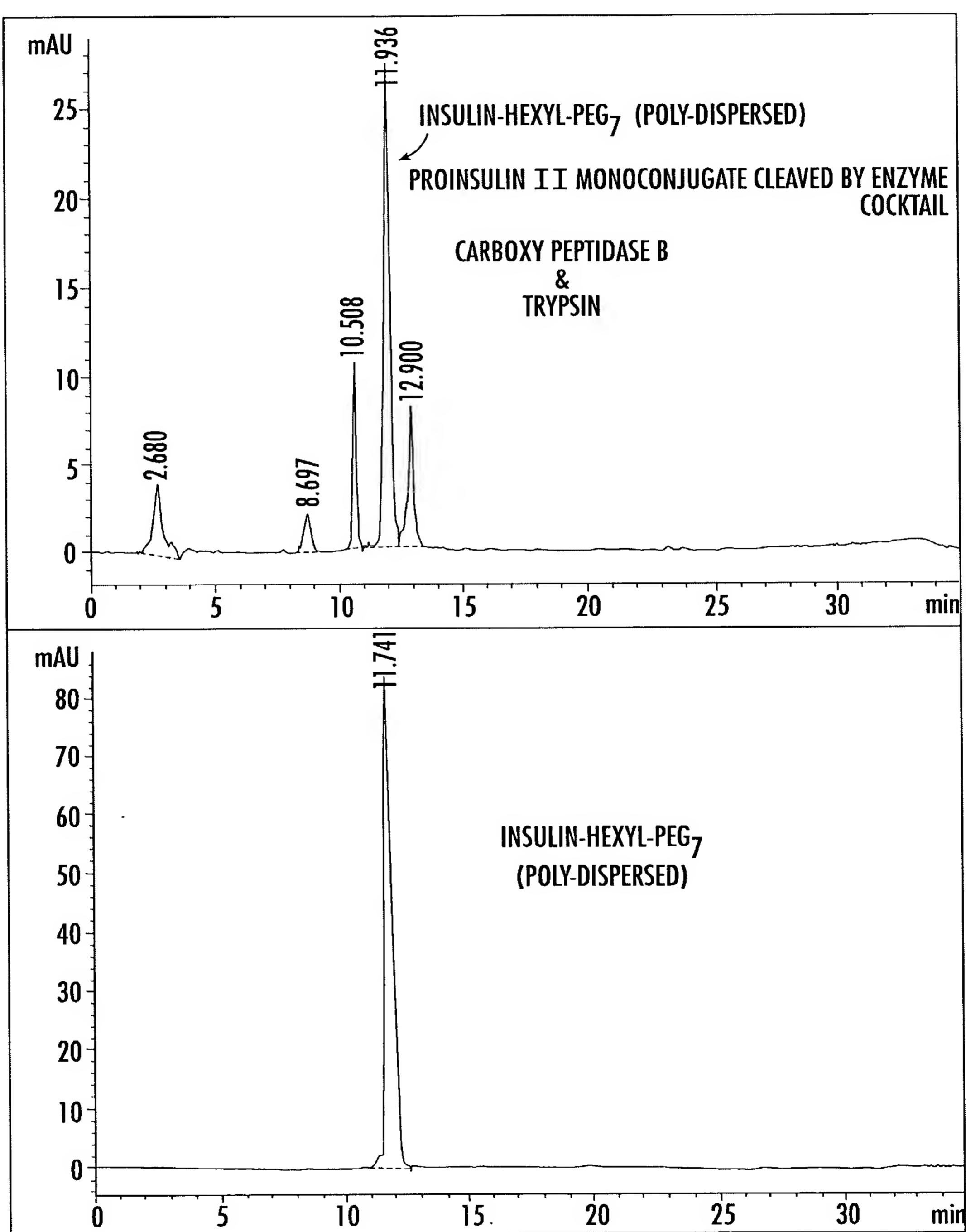
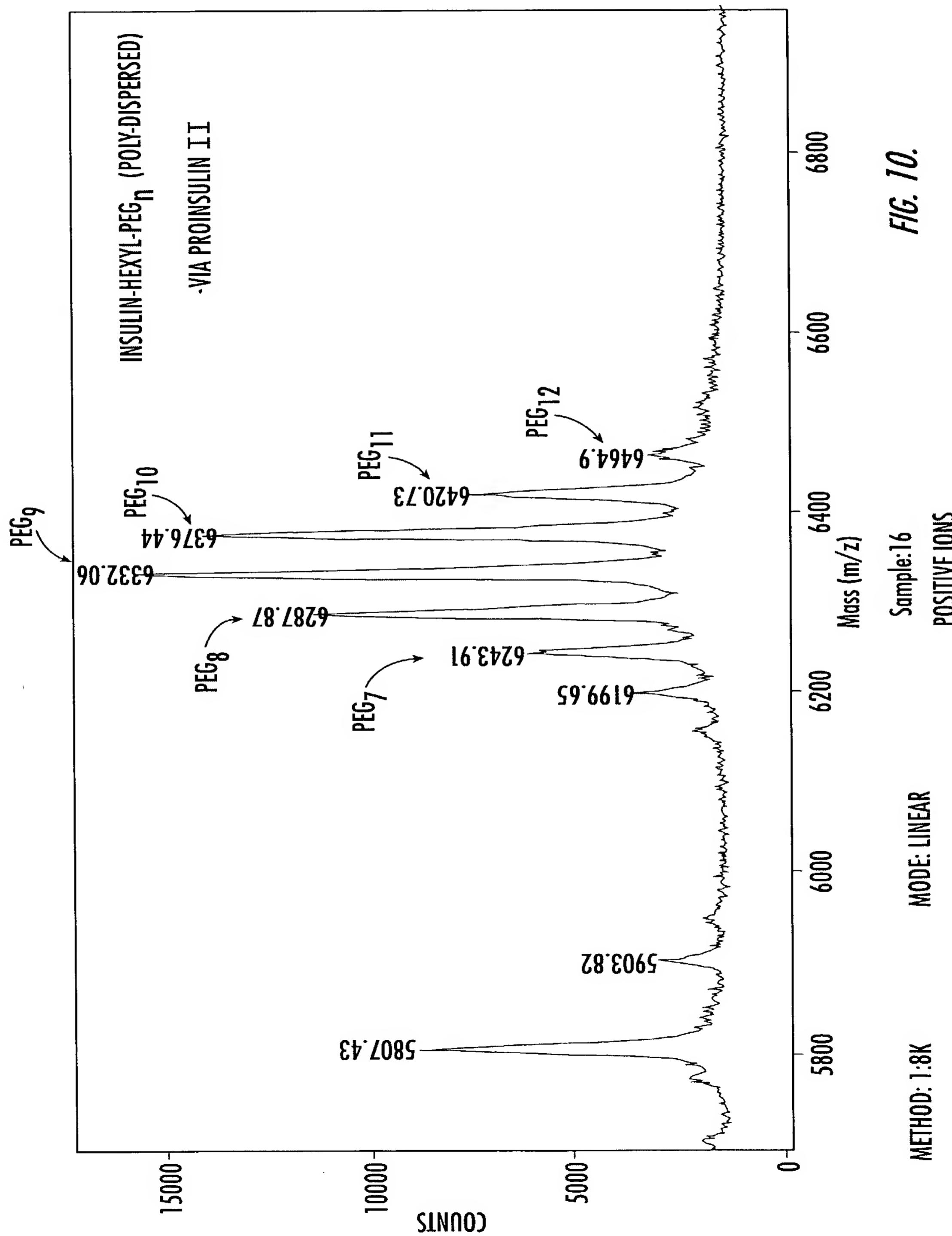


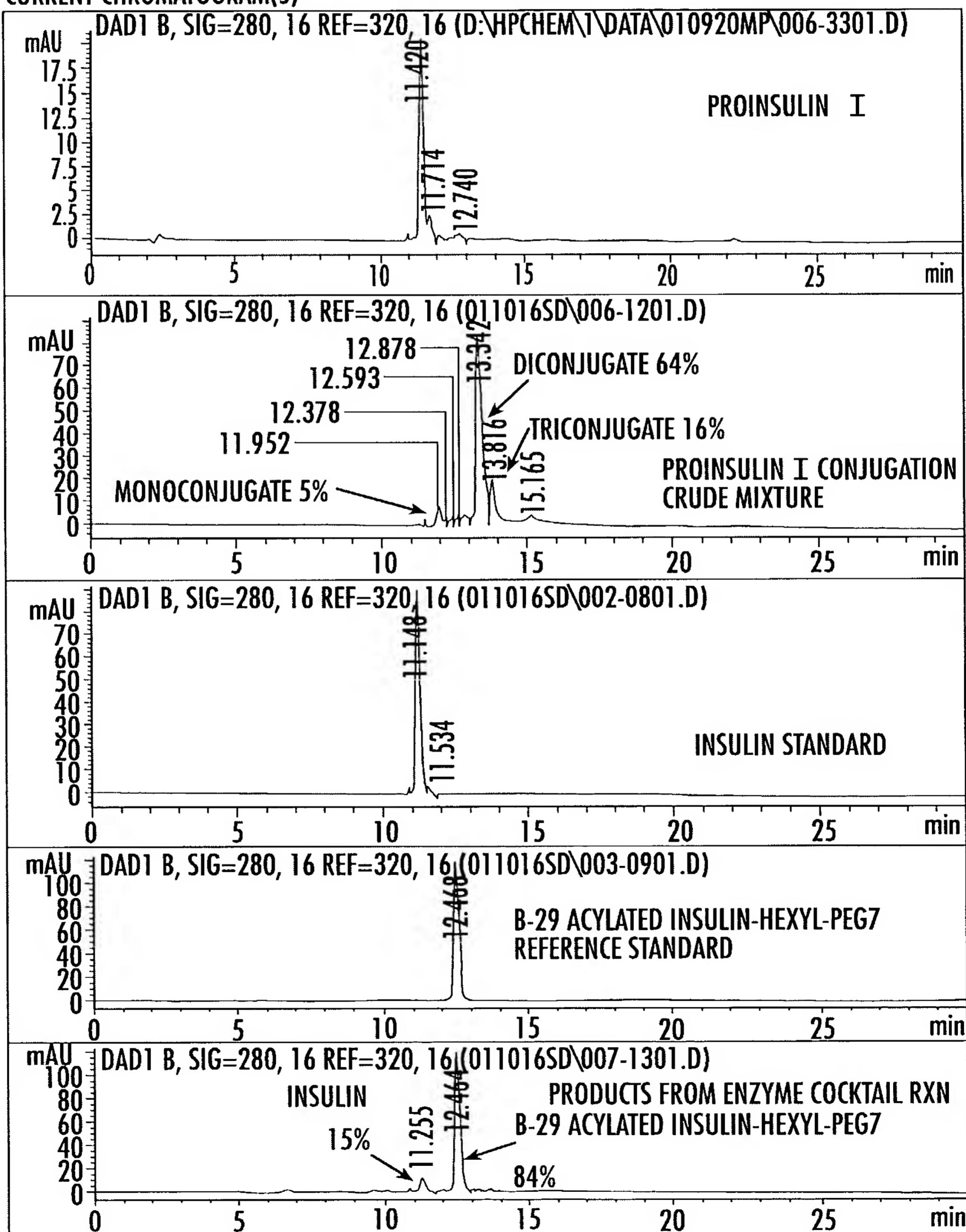
FIG. 9.



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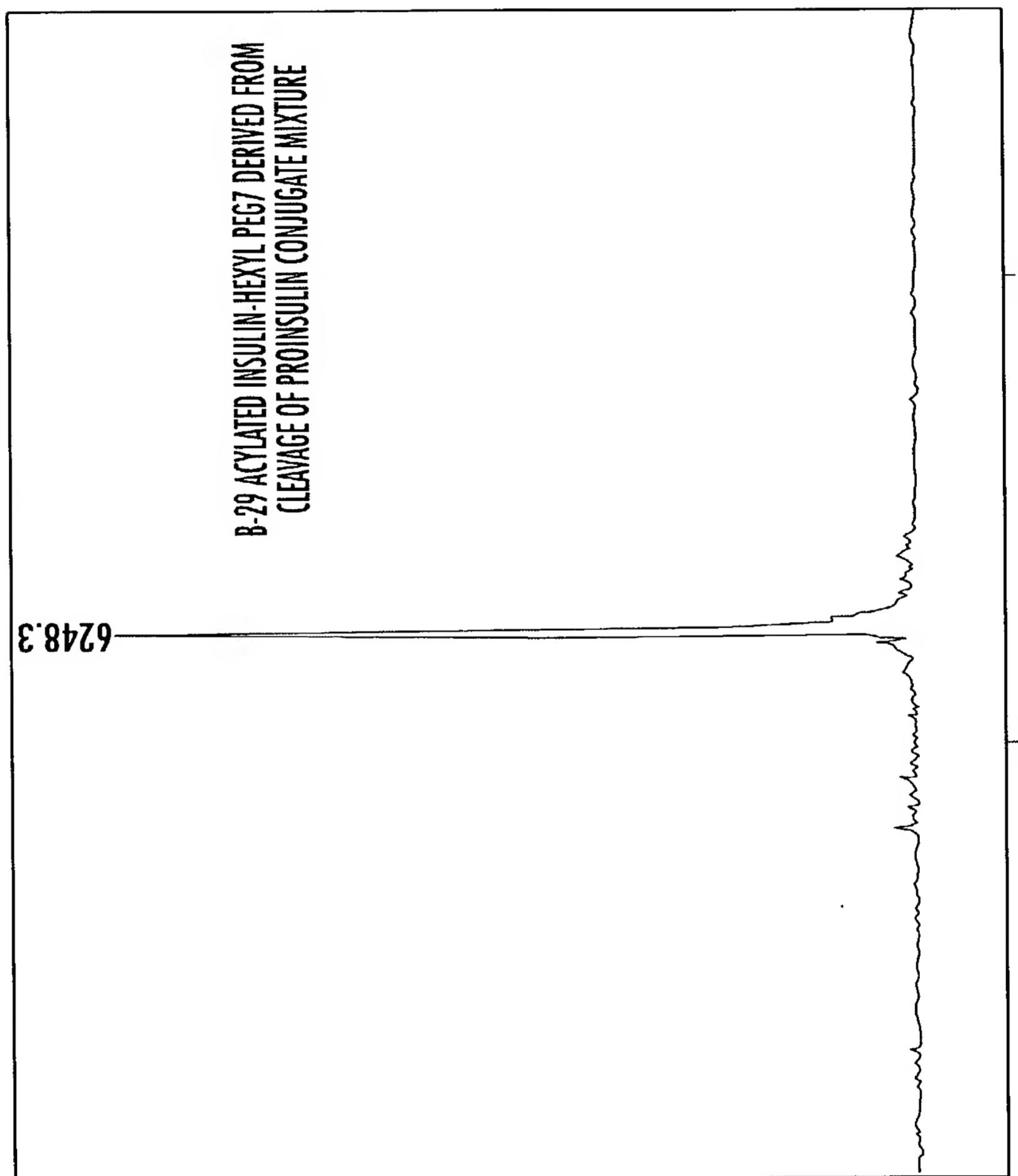
**HPLC PROFILE OF PRODUCTION OF B-29 ACYLATED INSULIN-HEXYL
PEG7 VIA PROINSULIN I**

CURRENT CHROMATOGRAM(S)

**FIG. 11.**

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MASS SPECTRUM OF B-29 ACYLATED INSULIN-HEXYL PEG7
VIA PROINSULIN I

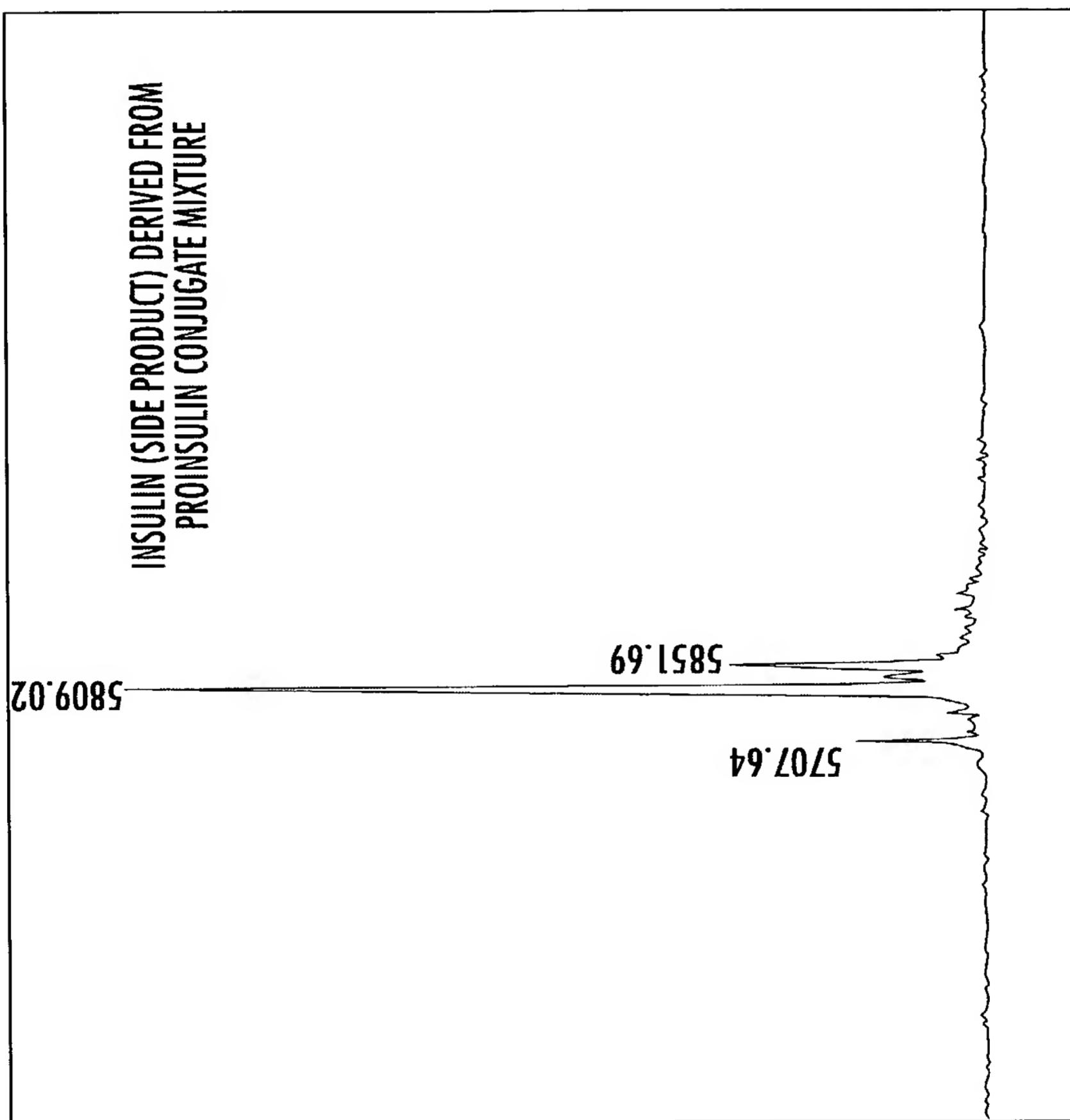


MALDI MASS SPEC

FIG. 12.

MASS SPECTRUM OF INSULIN VIA PROINSULIN I

INSULIN (SIDE PRODUCT) DERIVED FROM
PROINSULIN CONJUGATE MIXTURE



MALDI MASS SPEC

FIG. 13.

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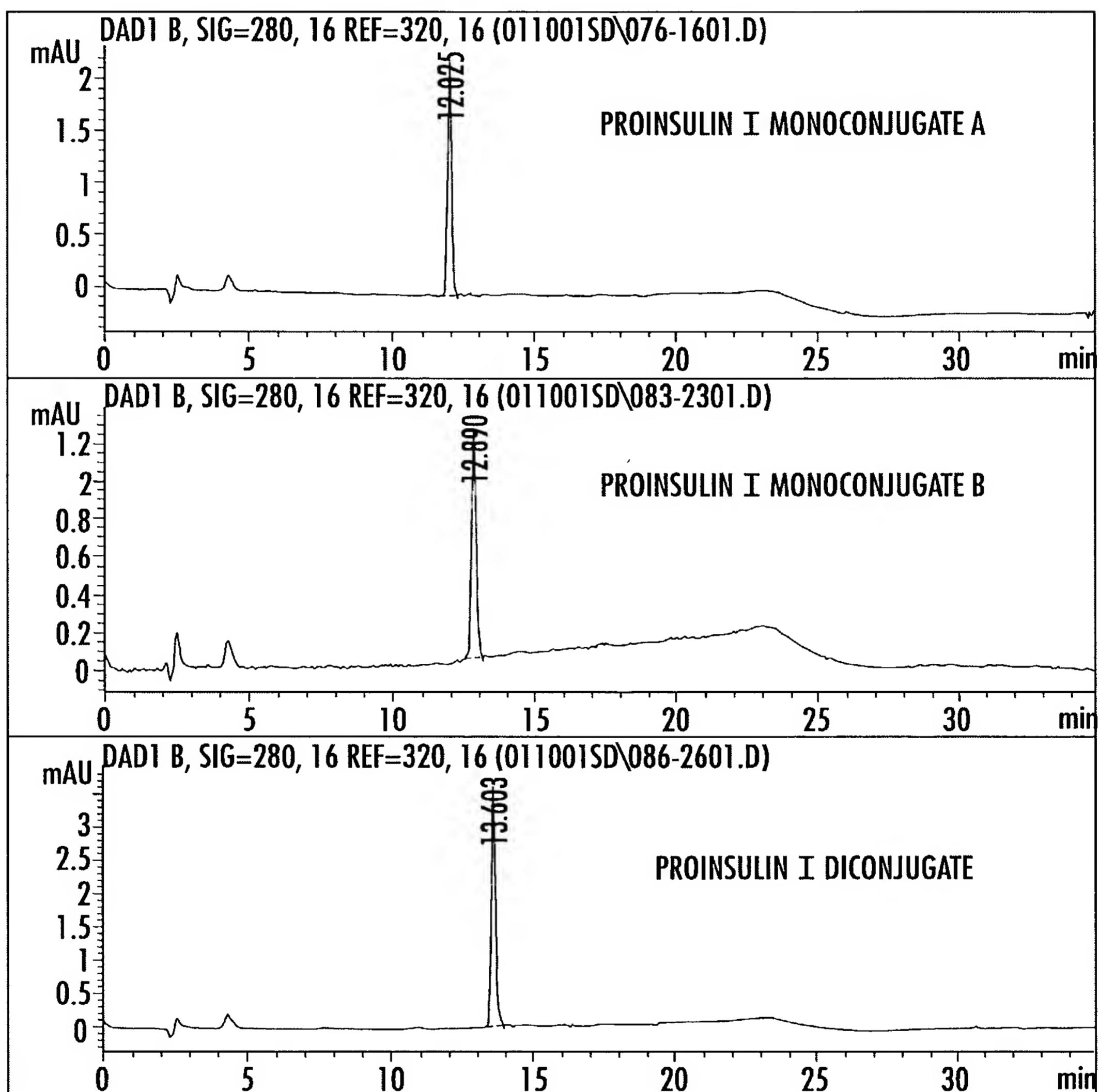


FIG. 14.

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CURRENT CHROMATOGRAM (S)

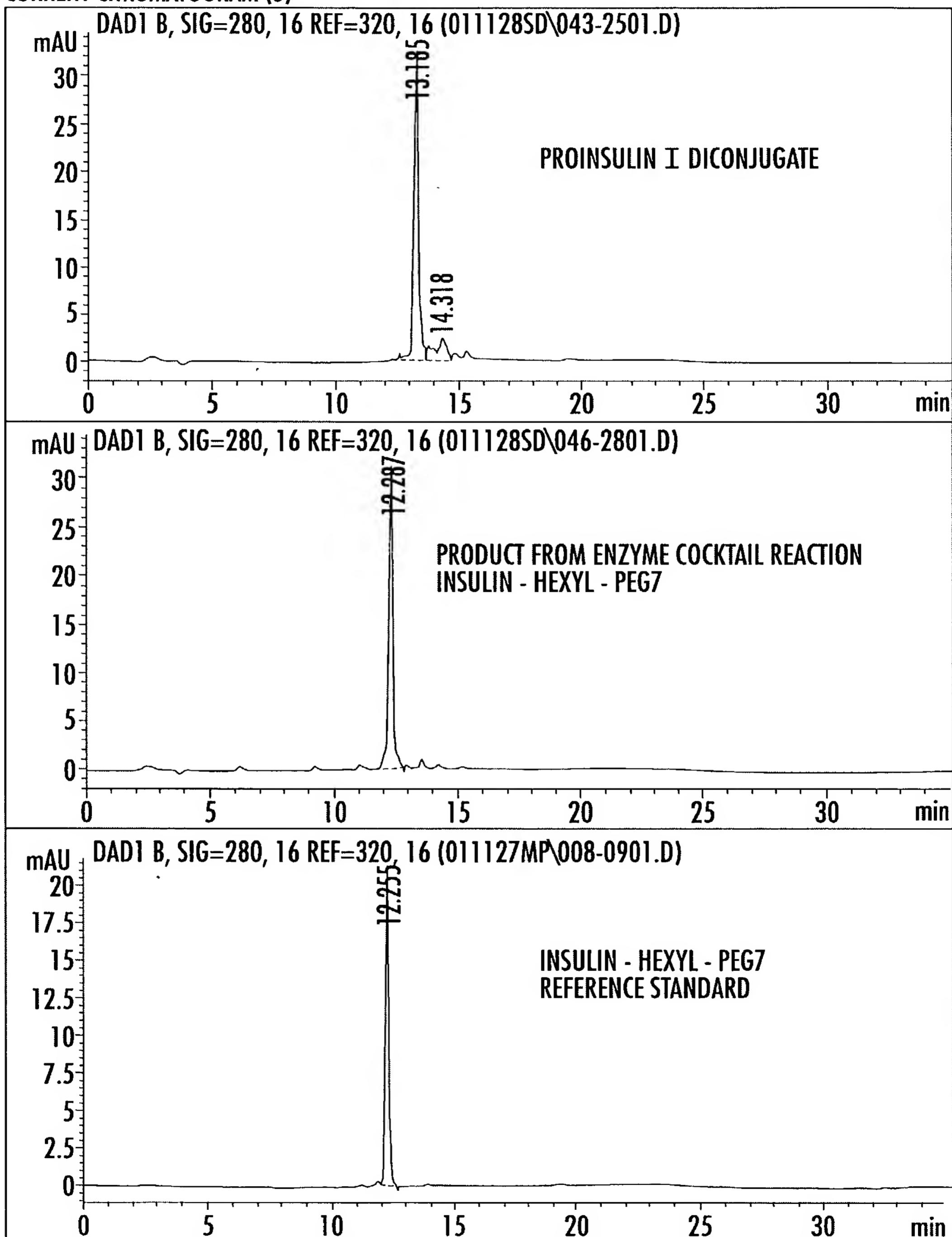


FIG. 15.

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CURRENT CHROMATOGRAM (S)

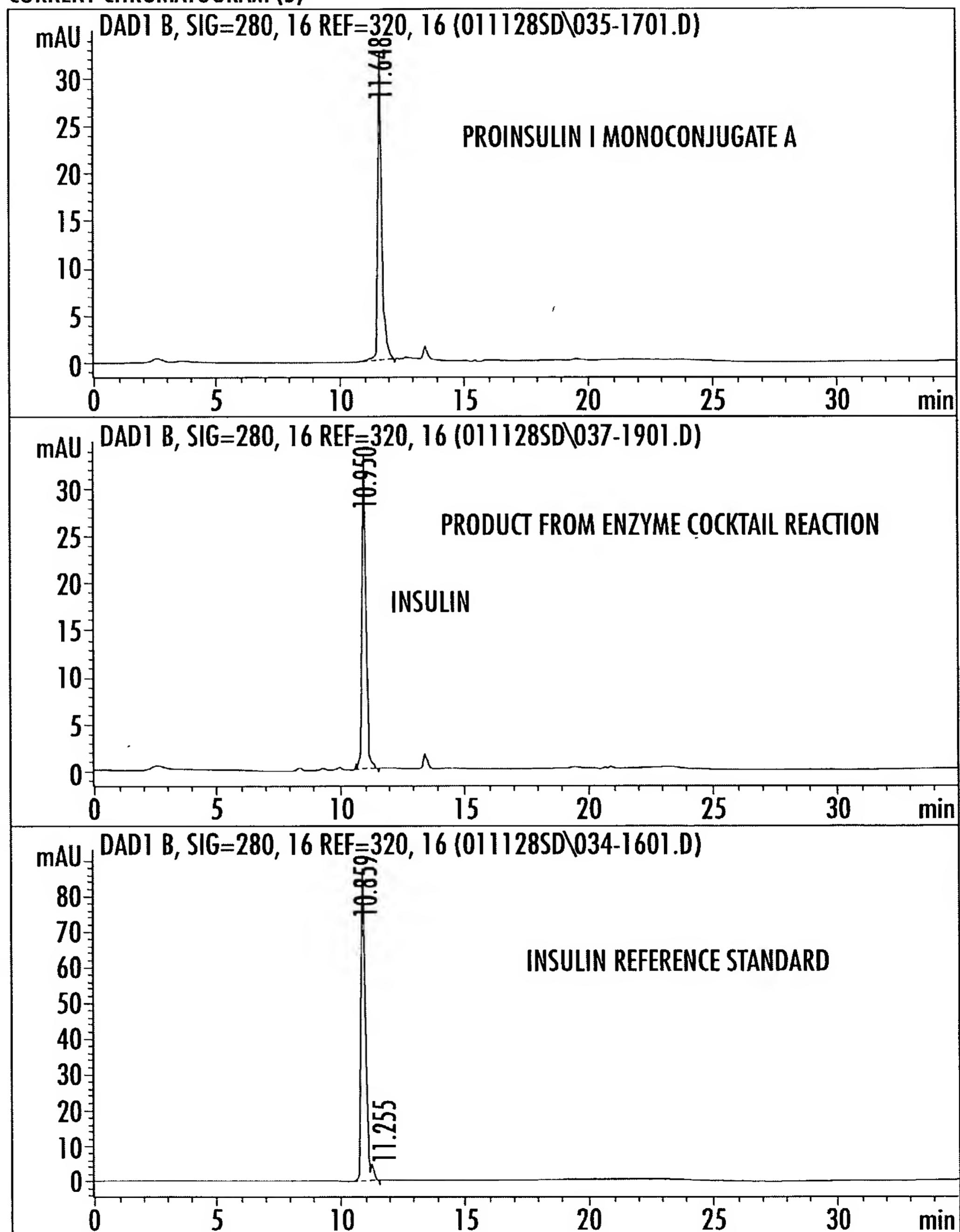


FIG. 16.